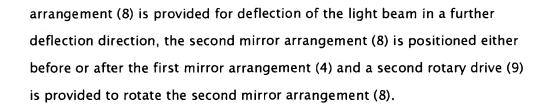
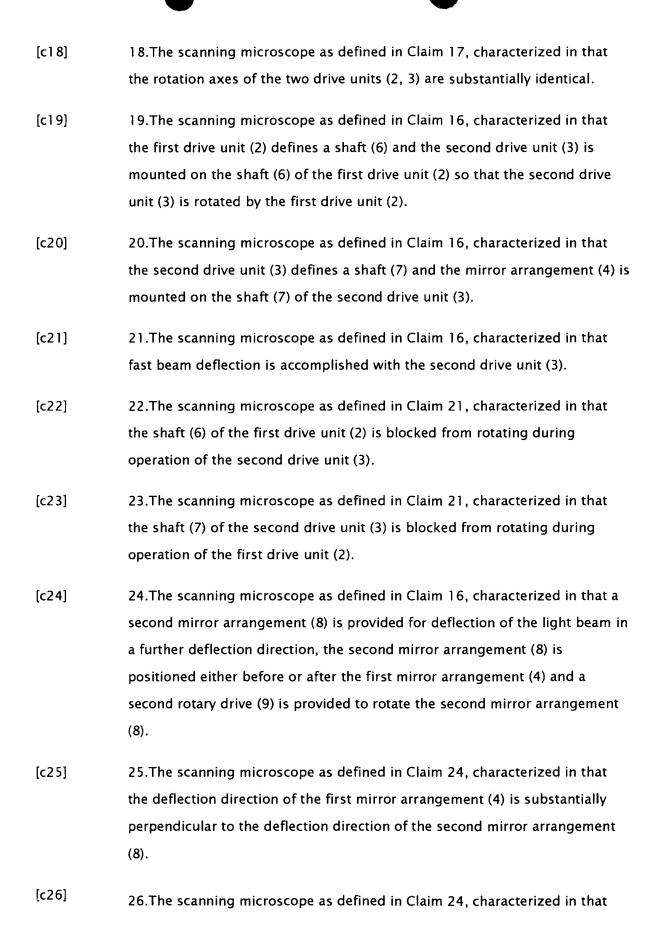
Claims

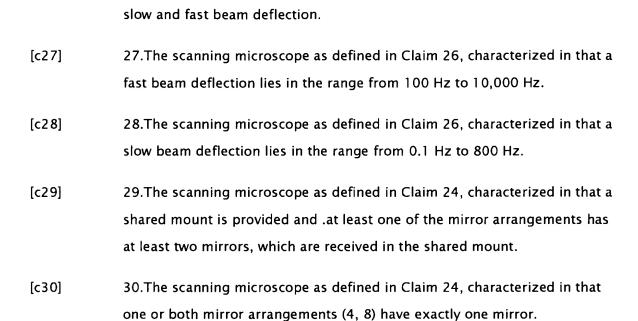
Ciaiii	15
[c1]	1.An apparatus for beam deflection, in particular for scanning microscopy, comprises:
	a first mirror arrangement for deflecting a light beam; and
	a rotary drive (1) for alternatingly rotating the first mirror arrangement,
	wherein the rotary drive (1) has two mutually independent drive units (2, 3)
	for rotating the first mirror arrangement (4), together or mutually
	independently, about a rotation axis (5) defined by said rotary drive (1).
[c2]	2. The apparatus as defined in Claim 1, characterized in that the rotation
	axes of the two drive units (2, 3) are substantially parallel.
[c3]	3.The apparatus as defined in Claim 2, characterized in that the rotation
	axes of the two drive units (2, 3) are substantially identical.
[c4]	4.The apparatus as defined in Claim 1, characterized in that the first drive
	unit (2) defines a shaft (6) and the second drive unit (3) is mounted on the
	shaft (6) of the first drive unit (2) so that the second drive unit (3) is rotated
	by the first drive unit (2).
[c5]	5. The apparatus as defined in Claim 1, characterized in that the second drive
	unit (3) defines a shaft (7) and the mirror arrangement (4) is mounted on the
	shaft (7) of the second drive unit (3).
[c6]	6.The apparatus as defined in Claim 1, characterized in that fast beam
[00]	deflection is accomplished with the second drive unit (3).
	deflection is accomplished with the second drive diff (5).
[c7]	7.The apparatus as defined in Claim 6, characterized in that the shaft (6) of
	the first drive unit (2) is blocked from rotating during operation of the
	second drive unit (3).
[c8]	8. The apparatus as defined in Claim 6, characterized in that the shaft (7) of
	the second drive unit (3) is blocked from rotating during operation of the
	first drive unit (2).
[c9]	9.The apparatus as defined in Claim 1, characterized in that a second mirror
	2 apparatus as admired in claim is characterized in that a second inition



- [c10] 10. The apparatus as defined in Claim 9, characterized in that the deflection direction of the first mirror arrangement (4) is substantially perpendicular to the deflection direction of the second mirror arrangement (8).
- [c11] 11.The apparatus as defined in Claim 9, characterized in that the first and the second mirror arrangement (4, 8) respectively executes a slow and fast beam deflection.
- [c12] 12.The apparatus as defined in Claim 11, characterized in that a fast beam deflection lies in the range from 100 Hz to 10,000 Hz.
- [c13] 13.The apparatus as defined in Claim 11, characterized in that a slow beam deflection lies in the range from 0.1 Hz to 800 Hz.
- [c14] 14.The apparatus as defined in Claim 9, characterized in that a shared mount is provided and at least one of the mirror arrangements has at least two mirrors, which are received in the shared mount.
- [c15] 15. The apparatus as defined in Claim 9, characterized in that one or both mirror arrangements (4, 8) have exactly one mirror.
- [c16] 16.An scanning microscope comprises:

 an apparatus for beam deflection, wherein the apparatus for beam deflection has a first mirror arrangement for deflecting a light beam; and a rotary drive (1) for alternatingly rotating the first mirror arrangement, wherein the rotary drive (1) has two mutually independent drive units (2, 3) for rotating the first mirror arrangement (4), together or mutually independently, about a rotation axis (5) defined by said rotary drive (1).
- [c17] 17. The scanning microscope as defined in Claim 16, characterized in that the rotation axes of the two drive units (2, 3) are substantially parallel.





the first and the second mirror arrangement (4, 8) respectively executes a